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F i g . 1

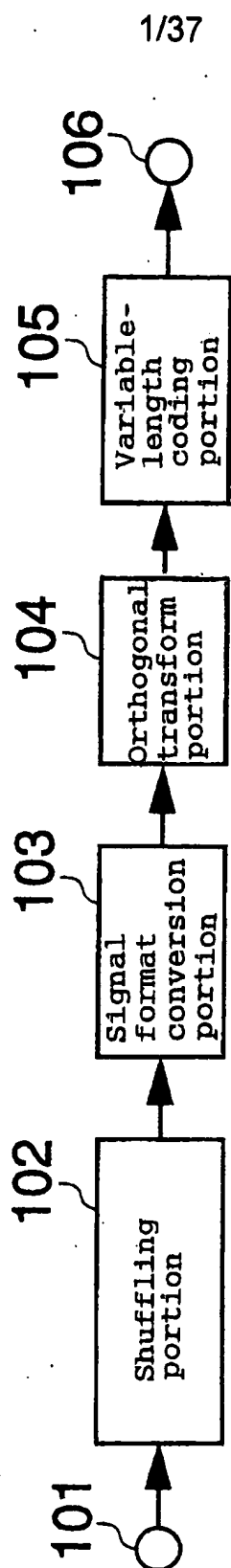
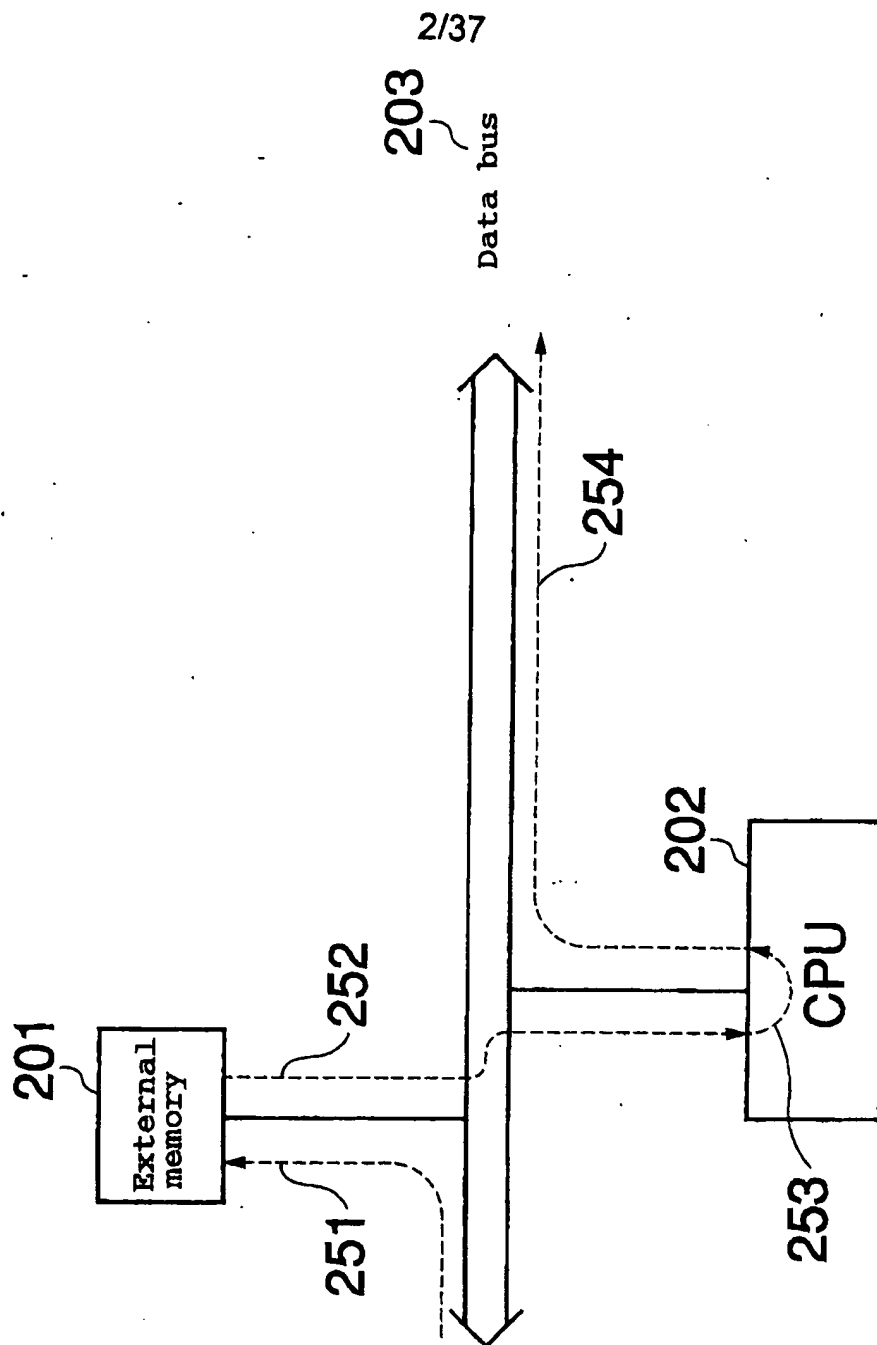
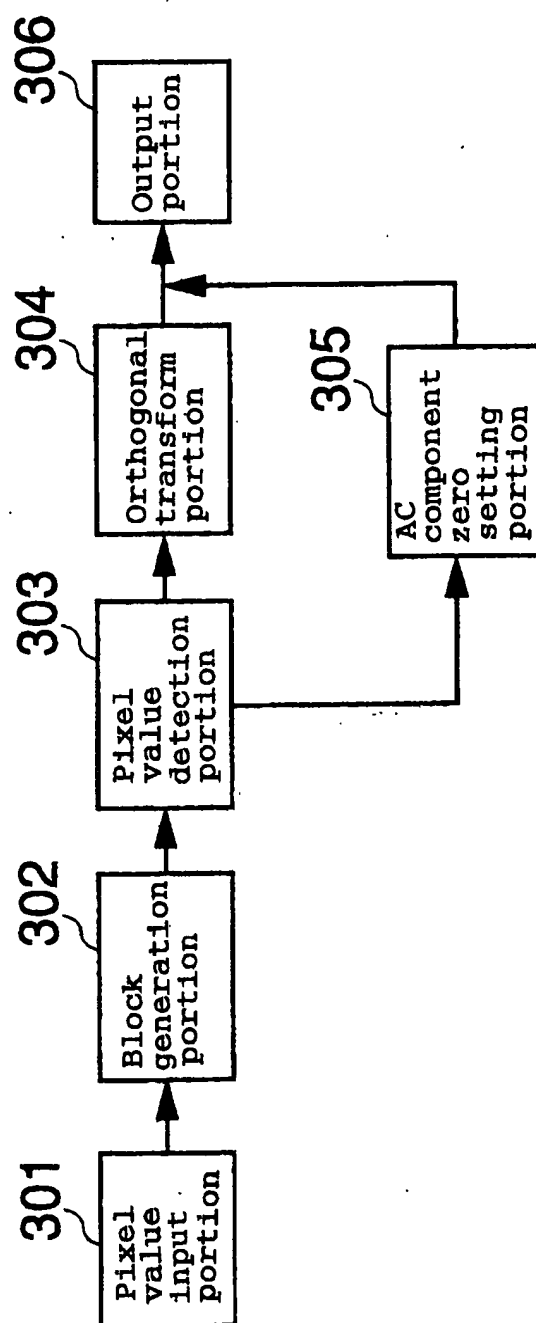


Fig. 2



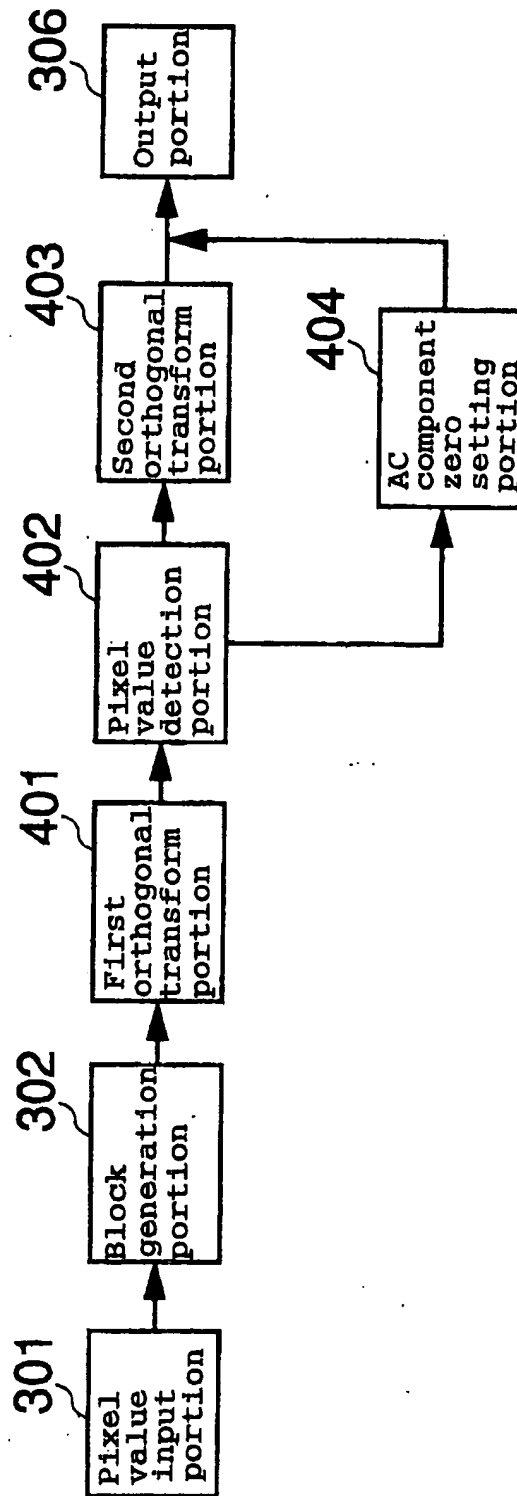
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F i g . 3



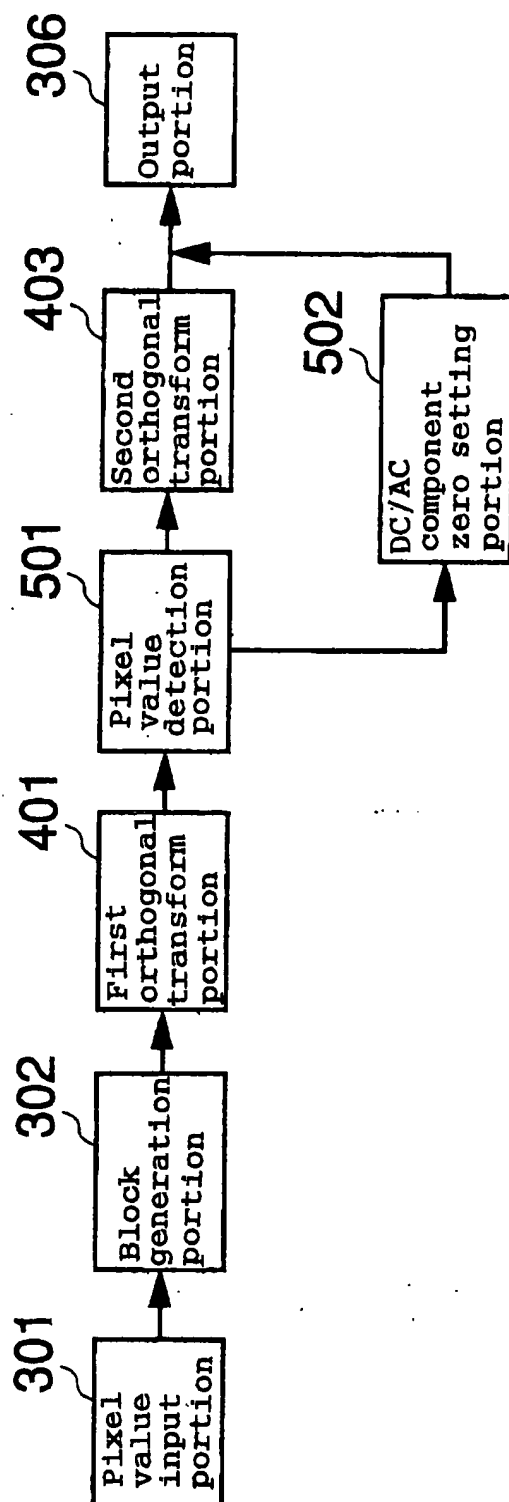
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F i g . 4



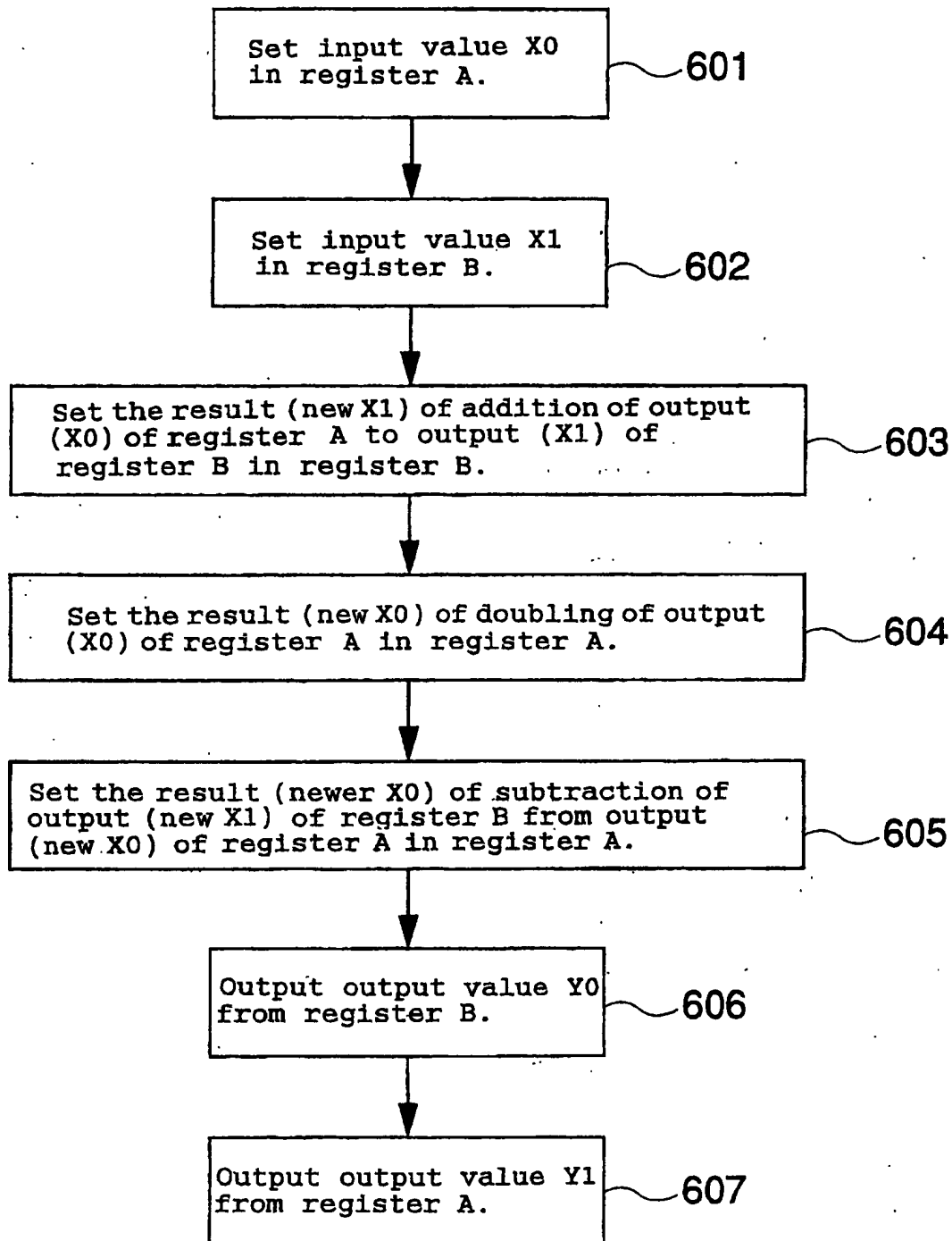
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Fig. 5



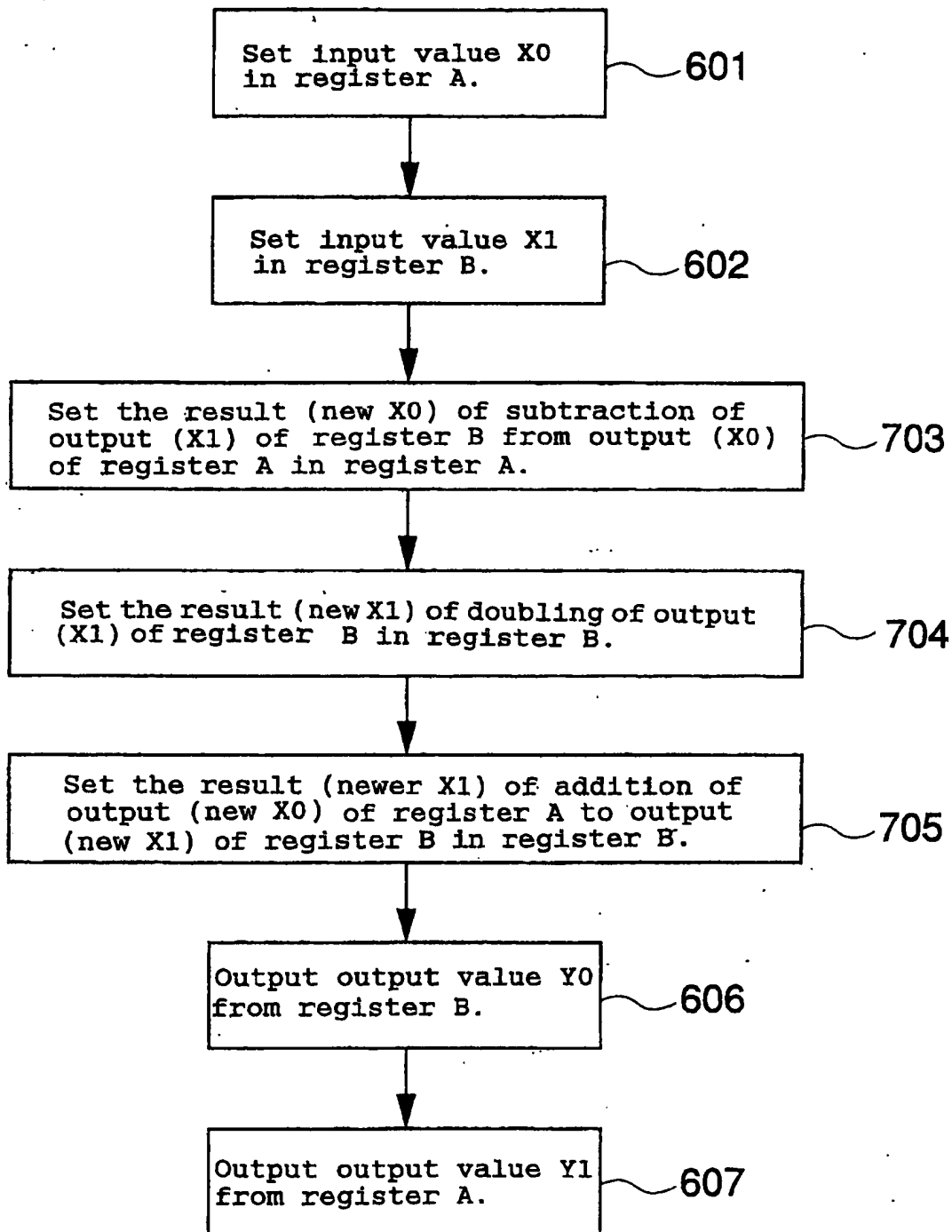
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F i g . 6



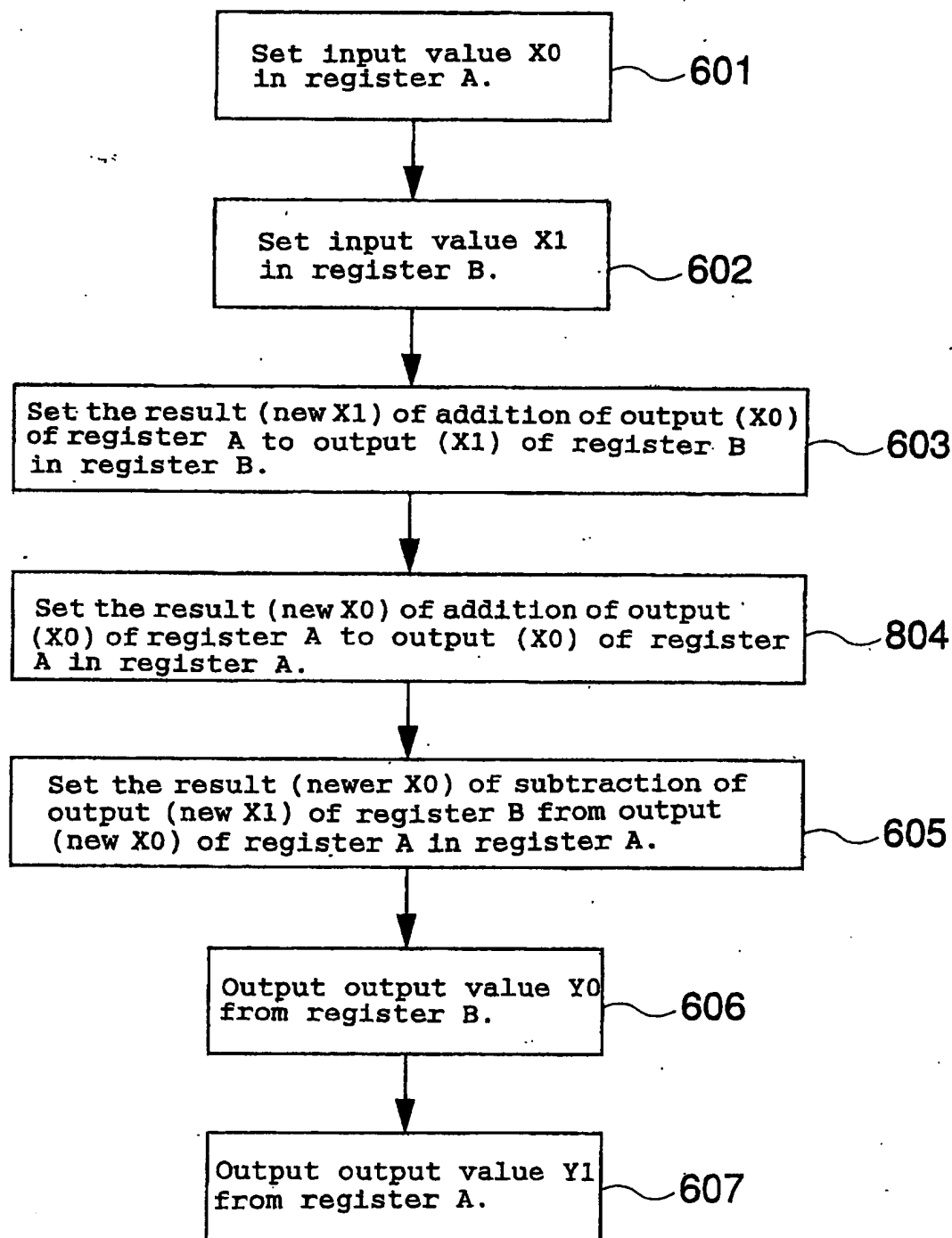
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F i g . 7



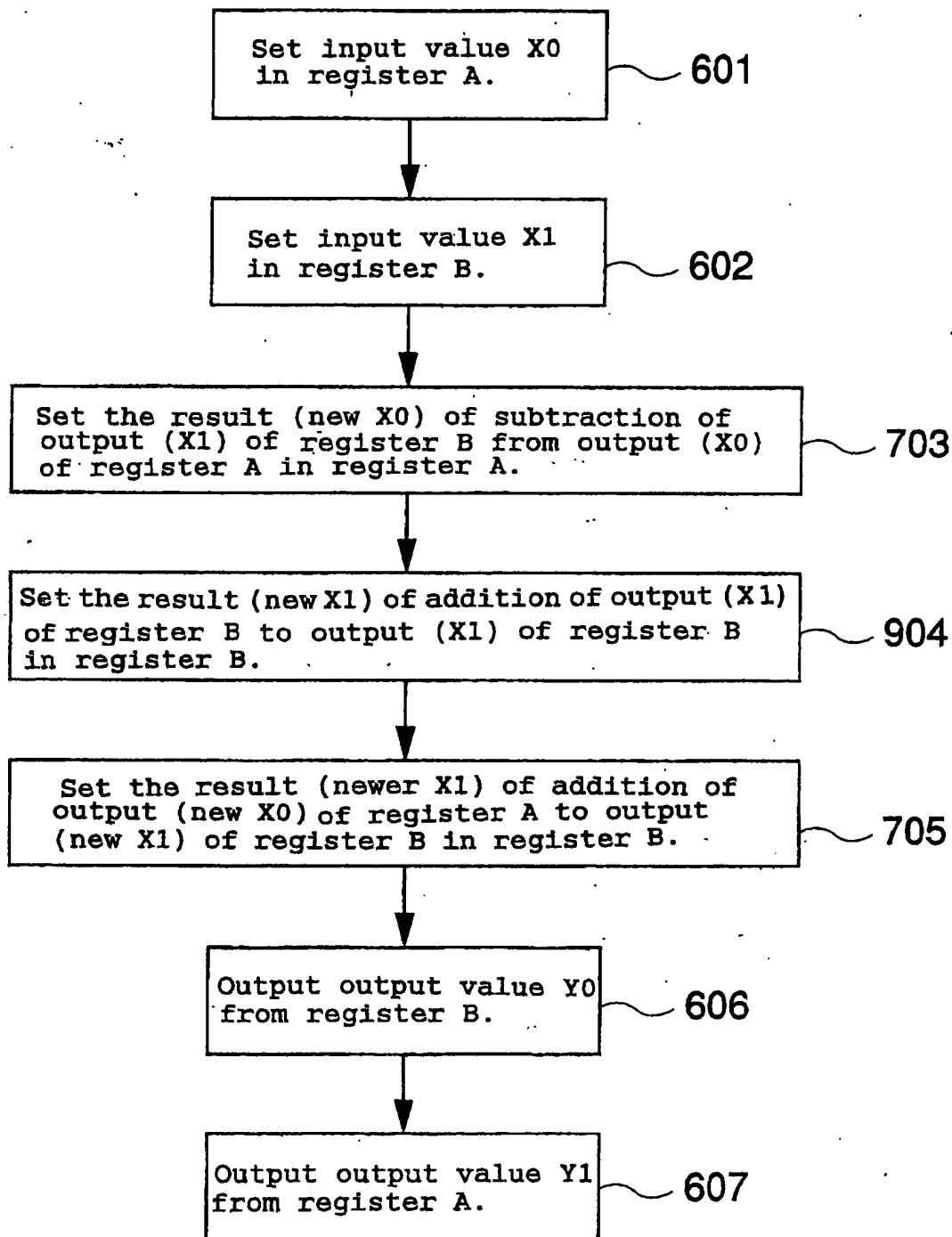
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F i g . 8



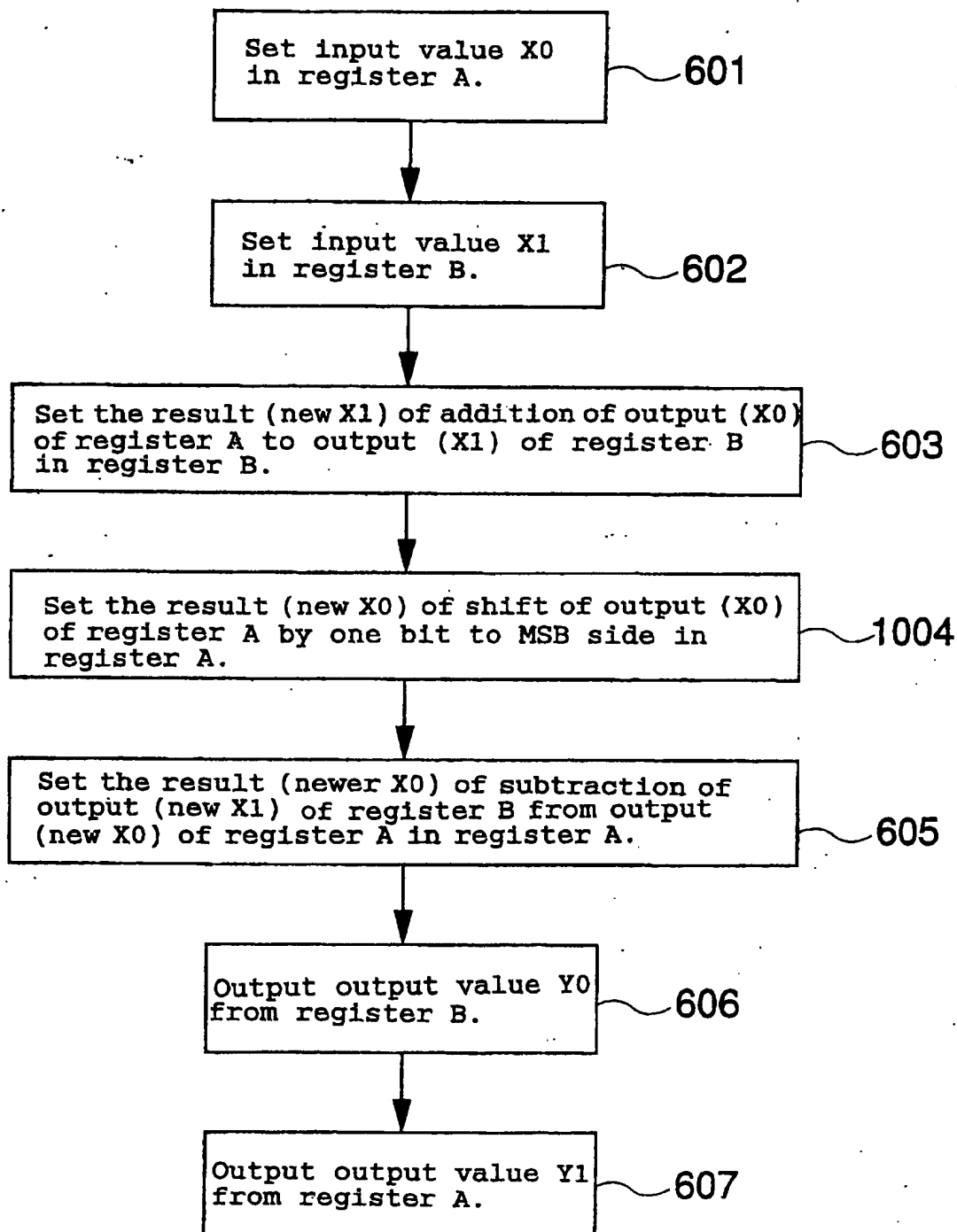
9/37

F i g . 9



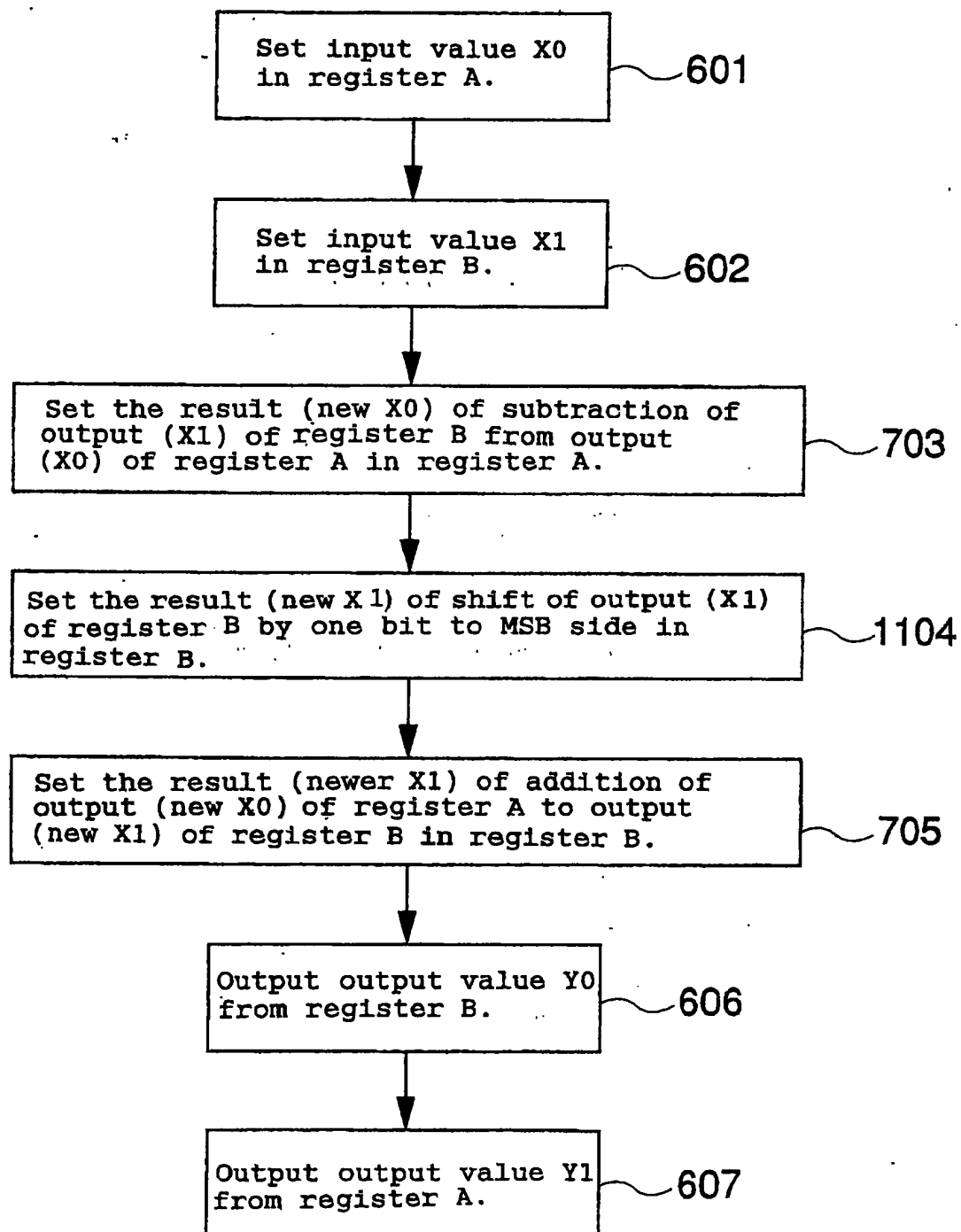
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F i g . 1 0



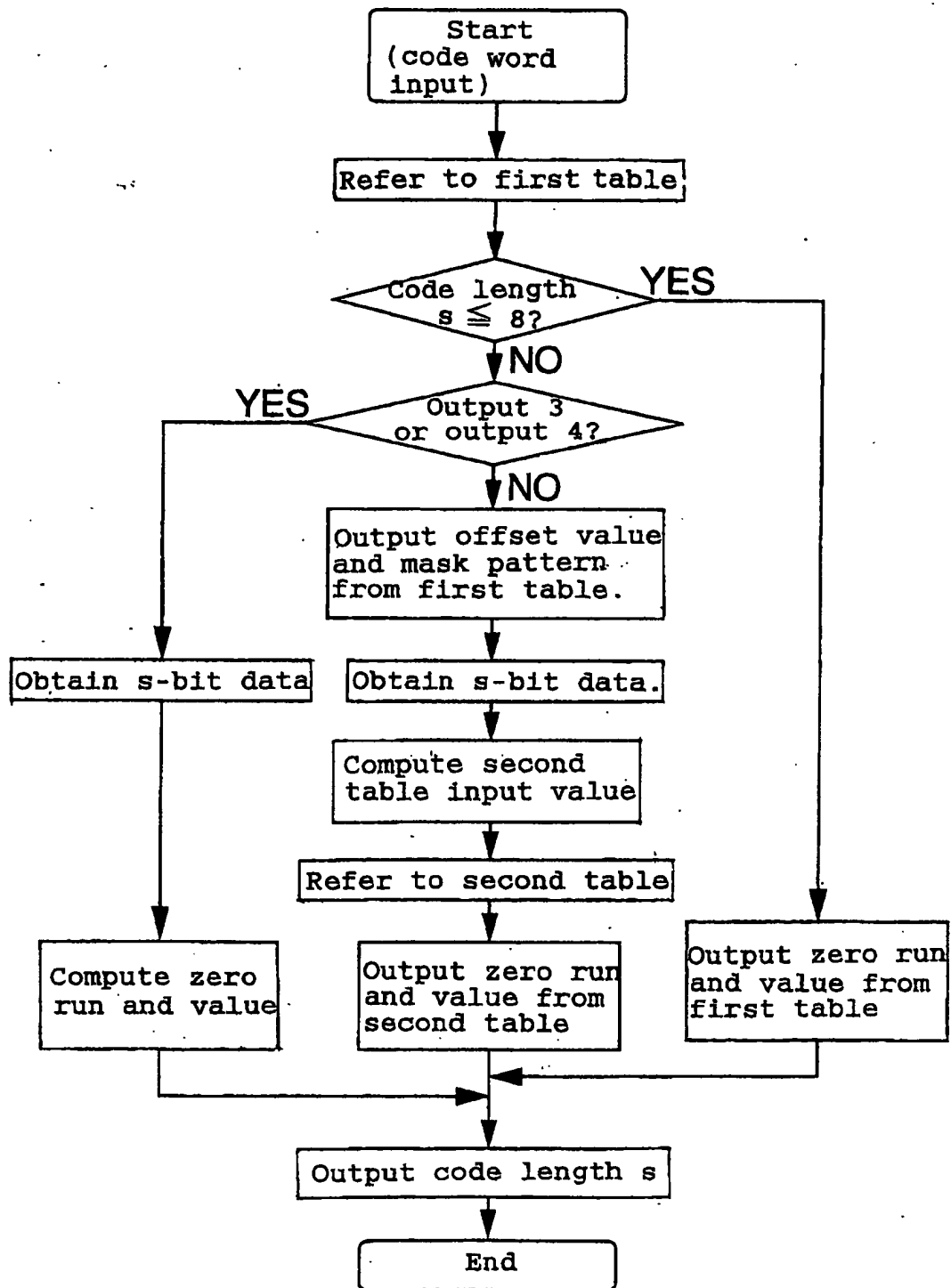
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F i g . 1 1

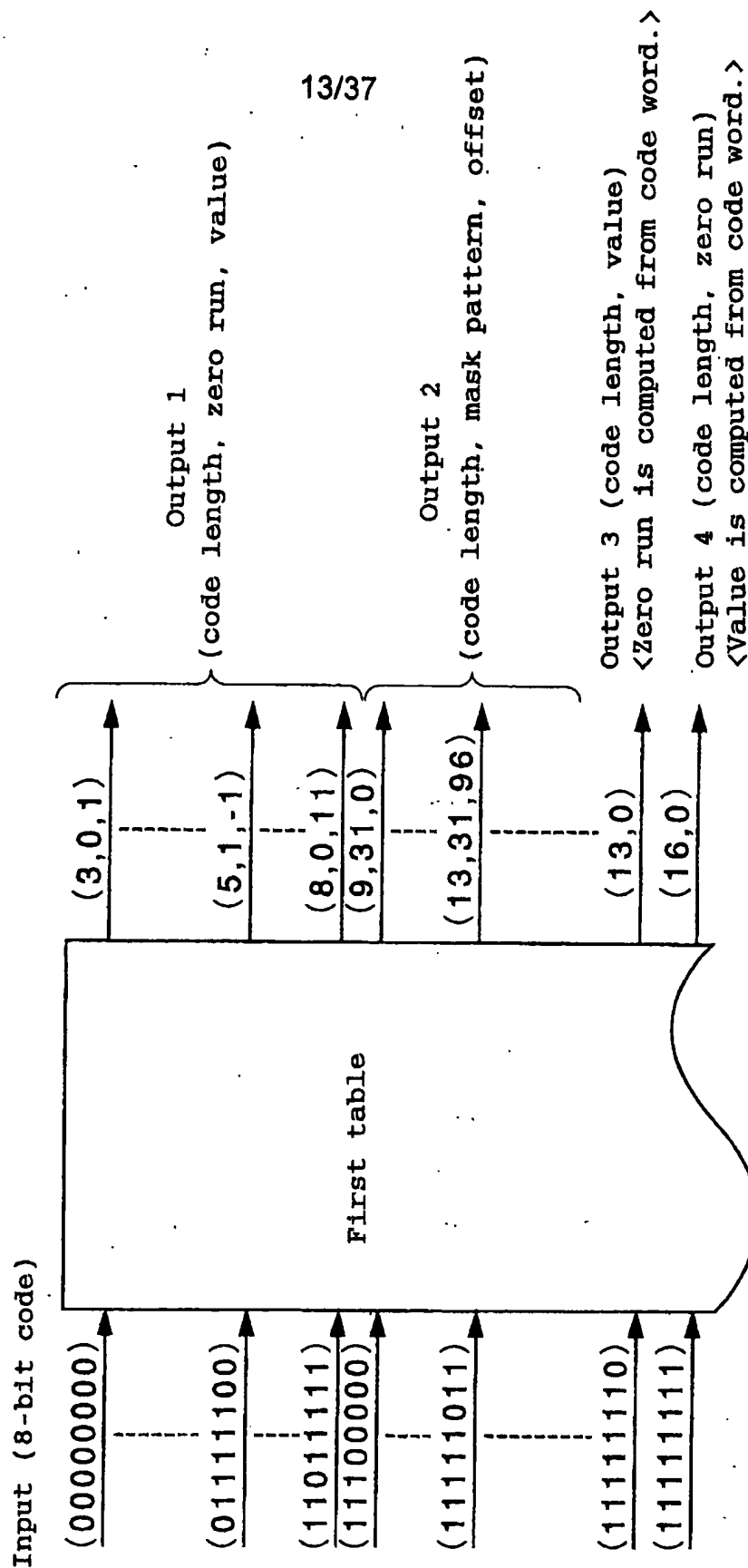


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F i g . 1 2



F i g. 1 3



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F i g . 1 4

First table output			Code word to be obtained		Second table		
Code length	Mask pattern	Offset value (F)	Masked value (F)		Input address (f + t)	Zero run	Value
9	11111	0	1110	00000	0	7	1
			1110	00001	1	7	-1
		
			1110	11110	30	0	17
10	11111	32	1110	11111	31	0	-17
			11110	00000	32	11	1
			11110	00001	33	11	-1
		
11	11111	64	11110	11110	62	0	22
			11110	11111	63	0	-22
			1111100	0000	64	5	3
		
12	11111	80	1111100	1111	79	1	0
			11111010	0000	80	6	3
		
			11111010	1111	95	5	0
13	11111	96	11111011	00000	96	7	2
			11111011	00001	97	7	-2
		
			11111011	11110	126	1	17
			11111011	11111	127	1	-17

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F i g . 1 5

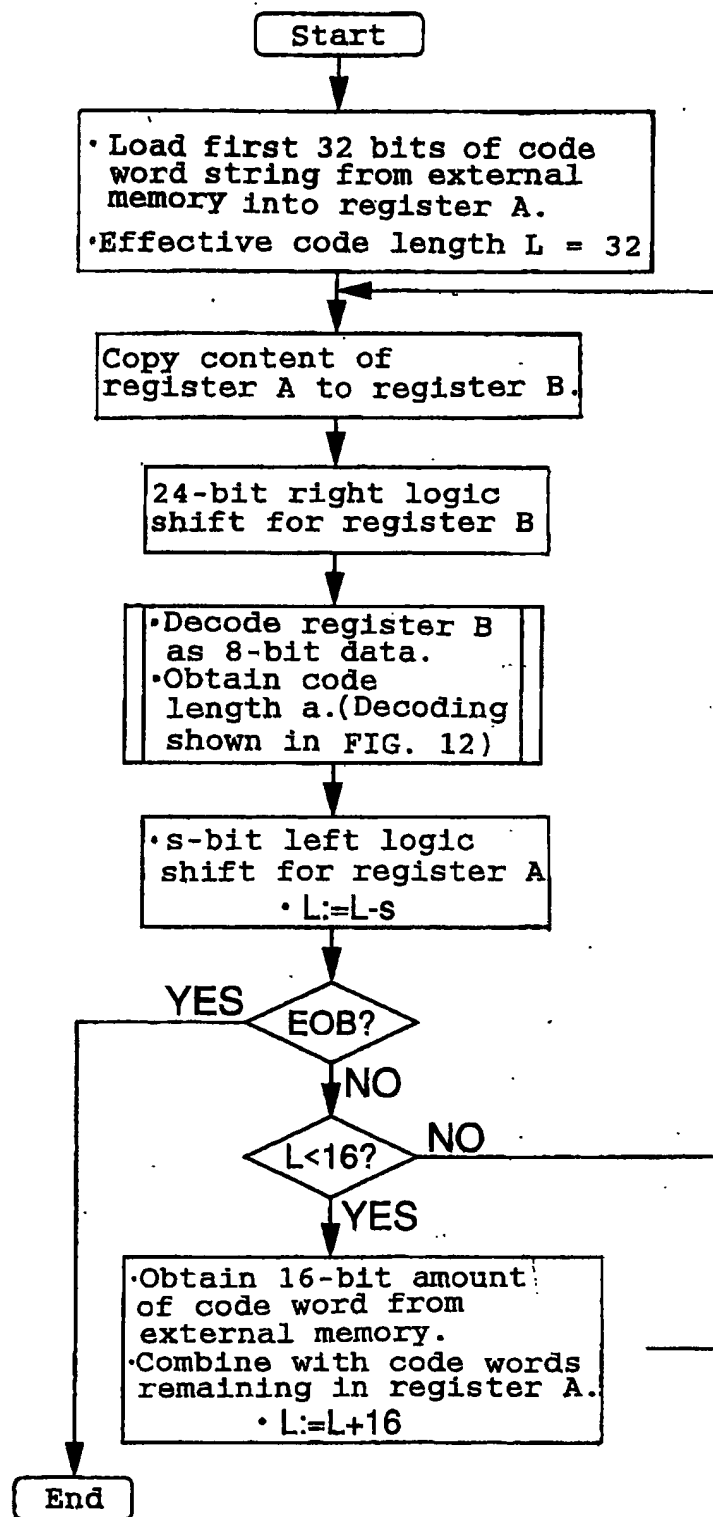
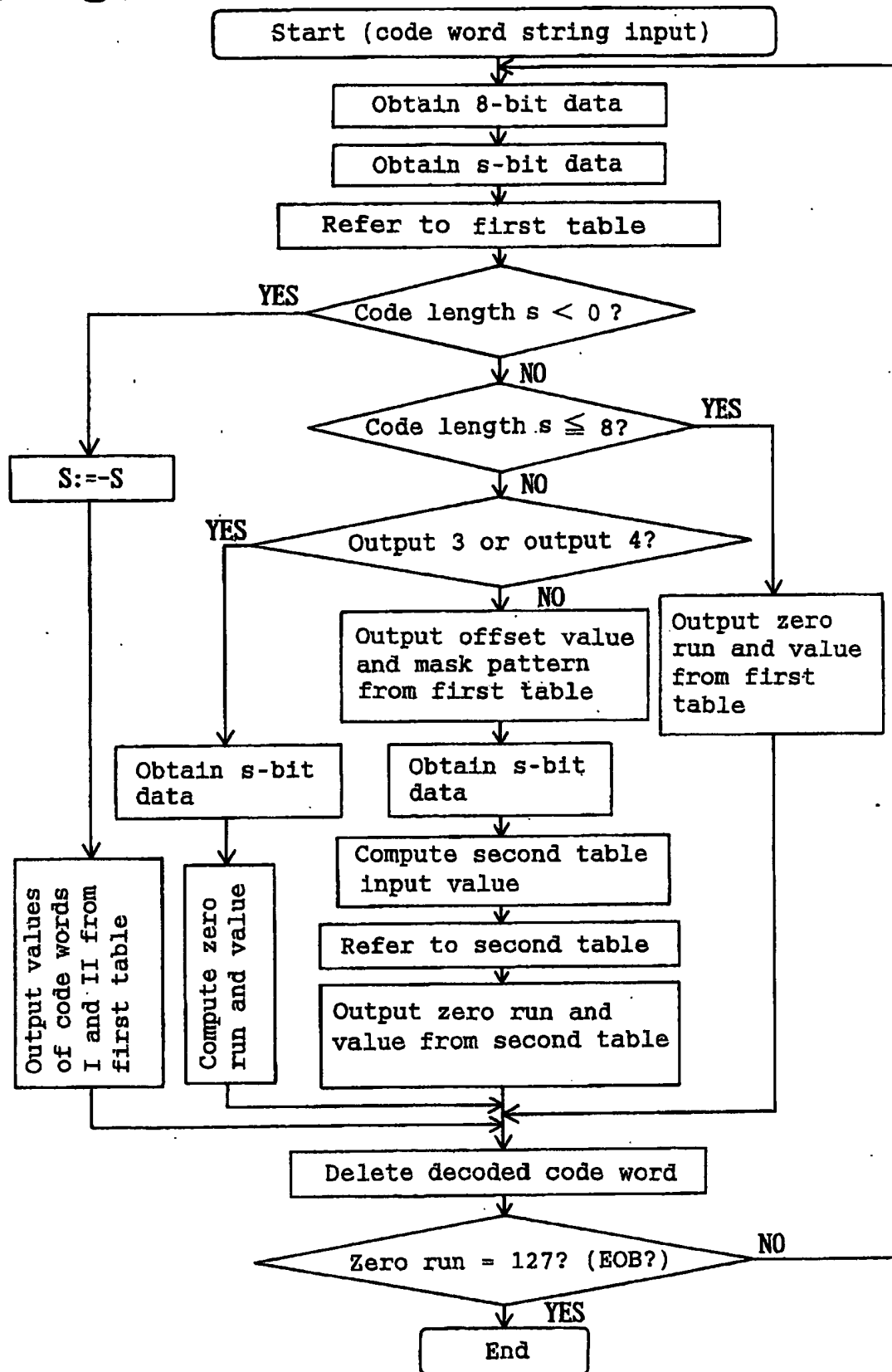


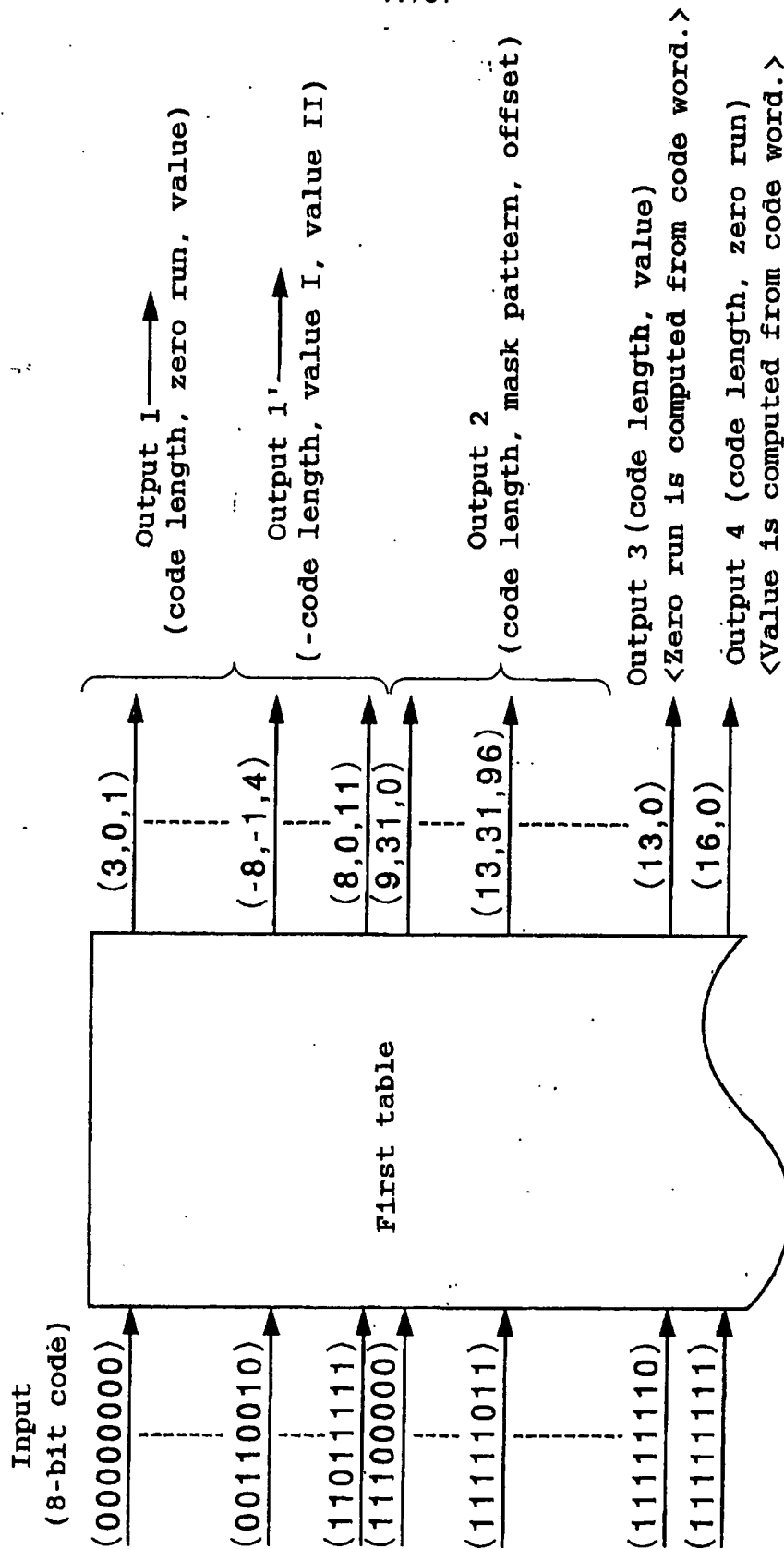
Fig. 16

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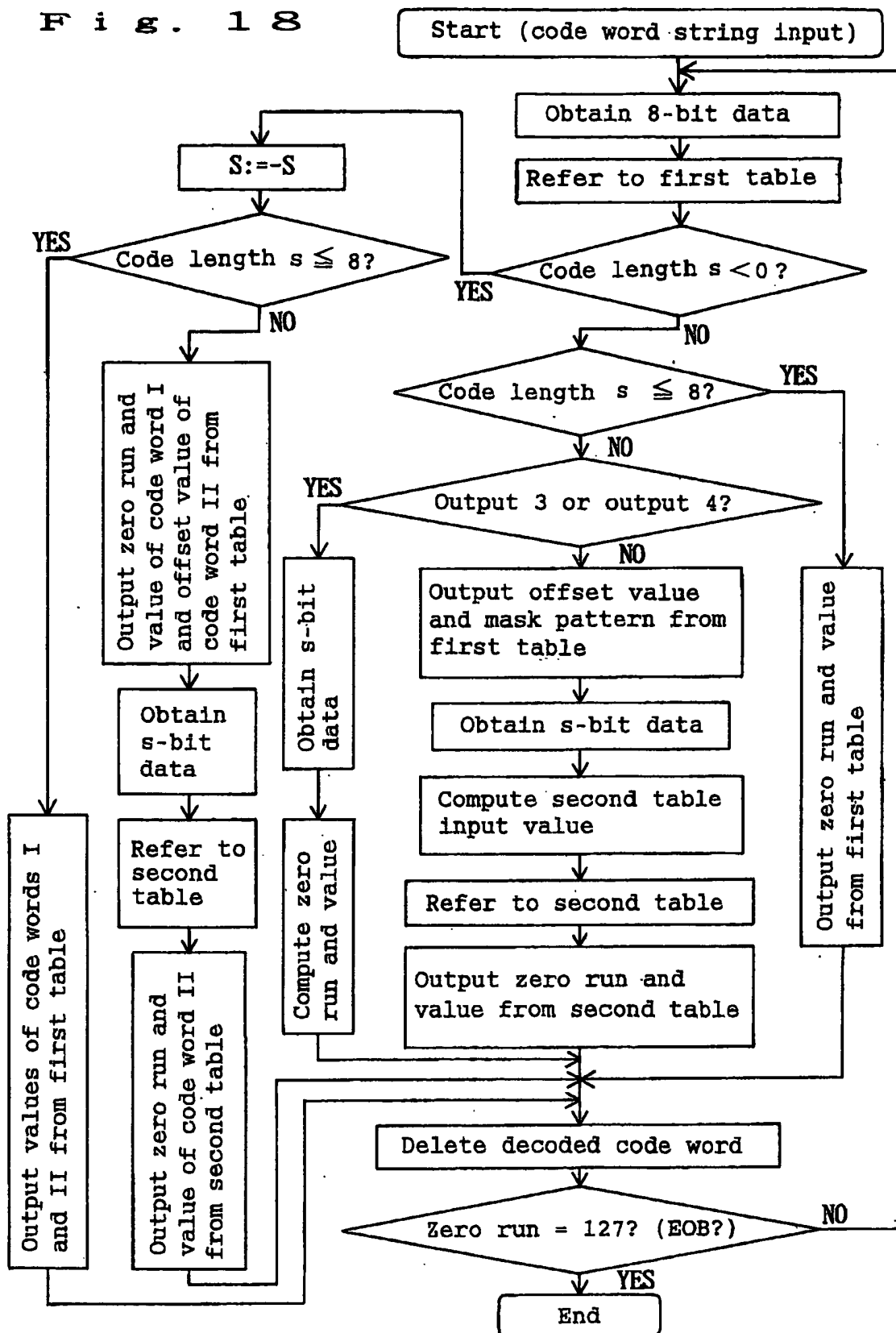
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F i g . 1 7

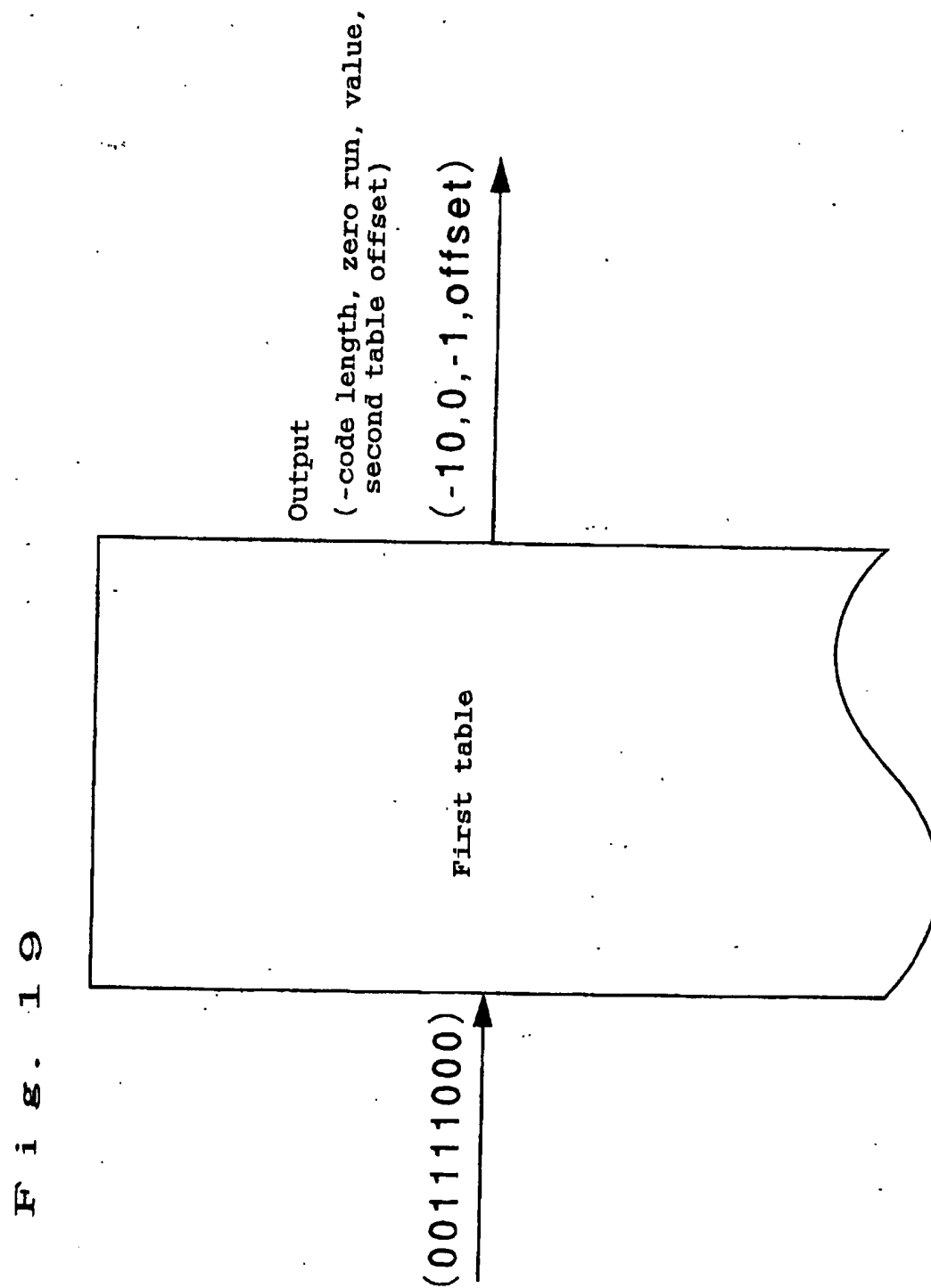


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Fig. 18

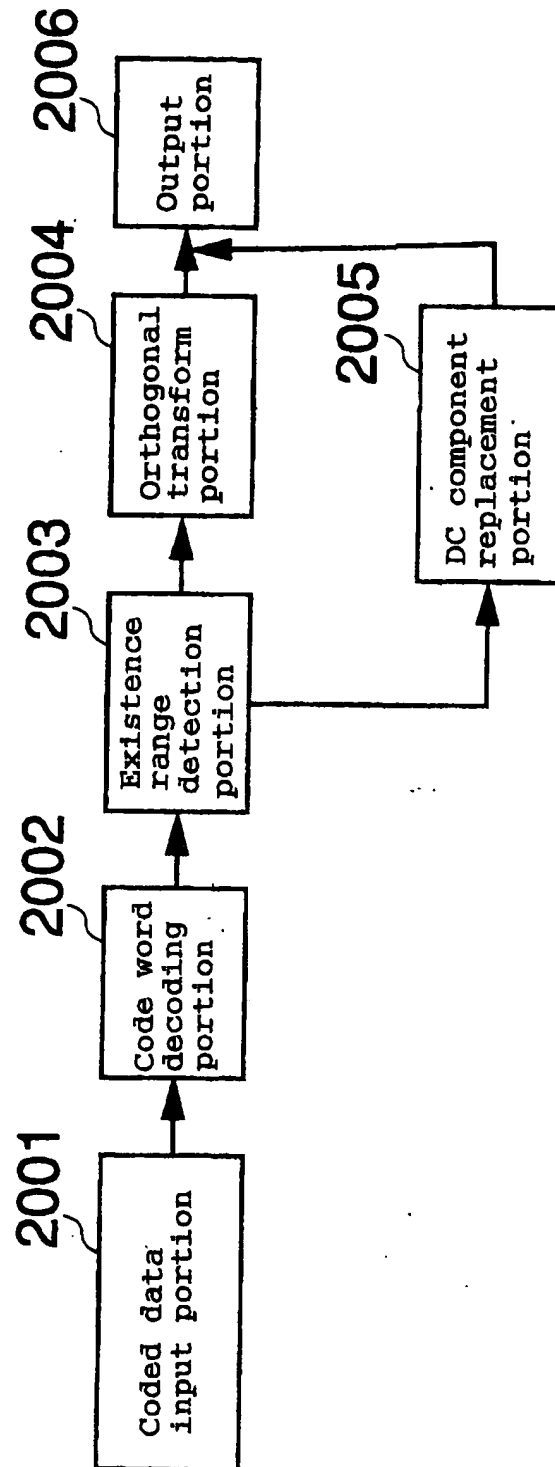


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Fig. 20



F i g . 2 1

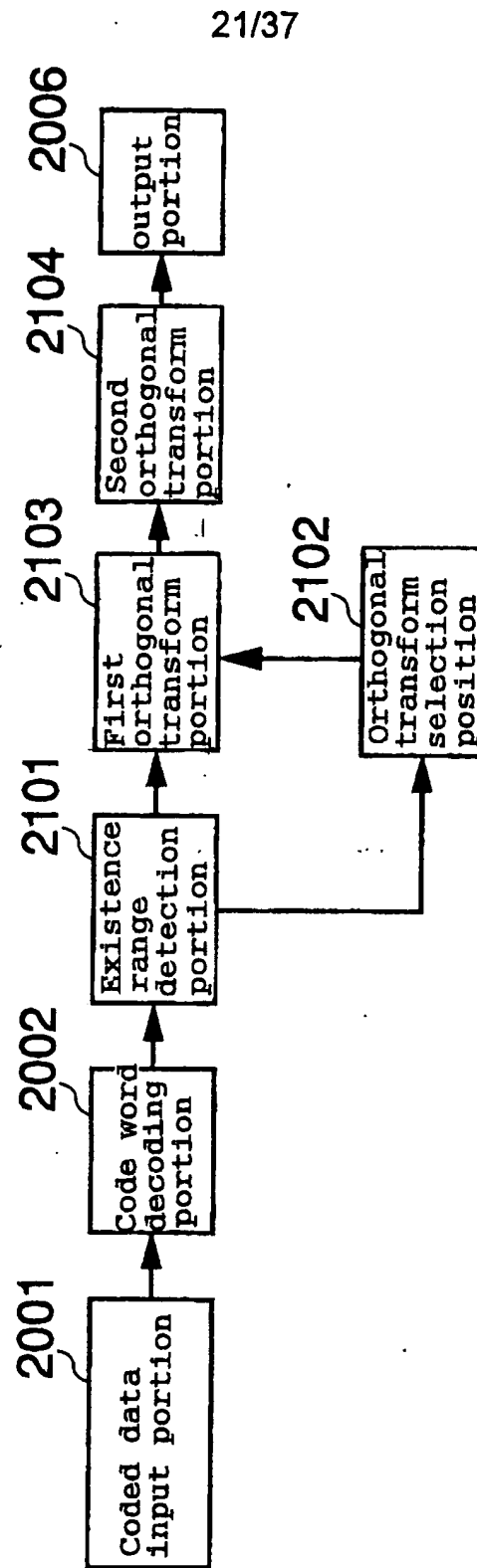
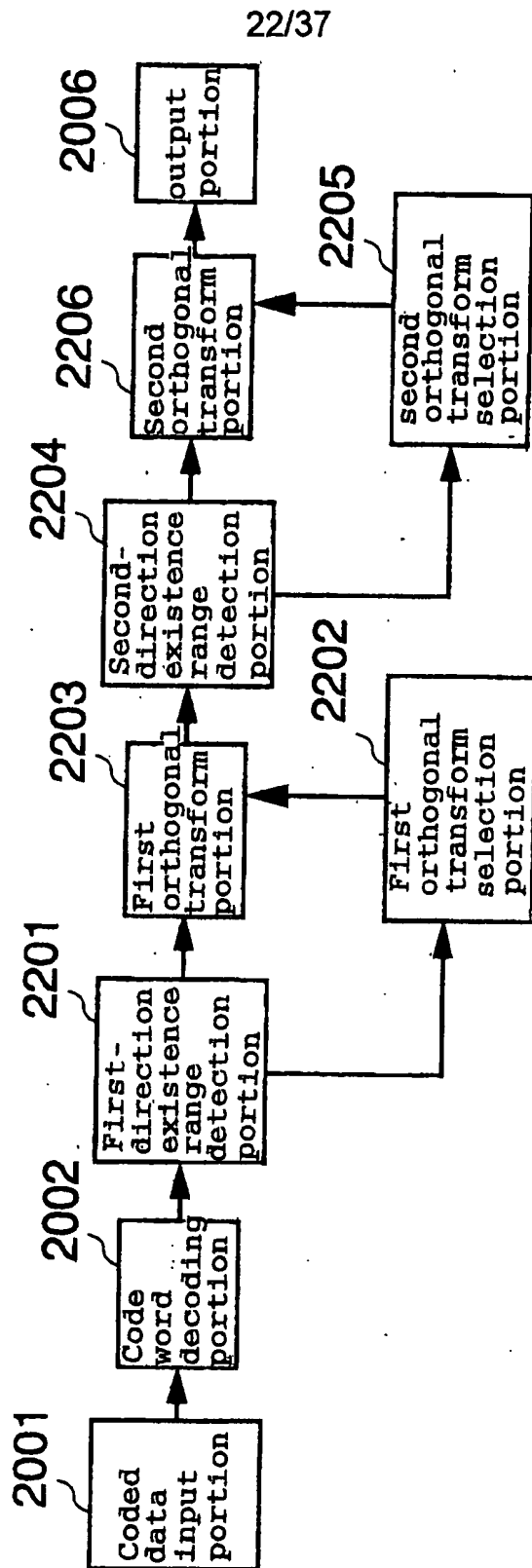


Fig. 22



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Fig. 23

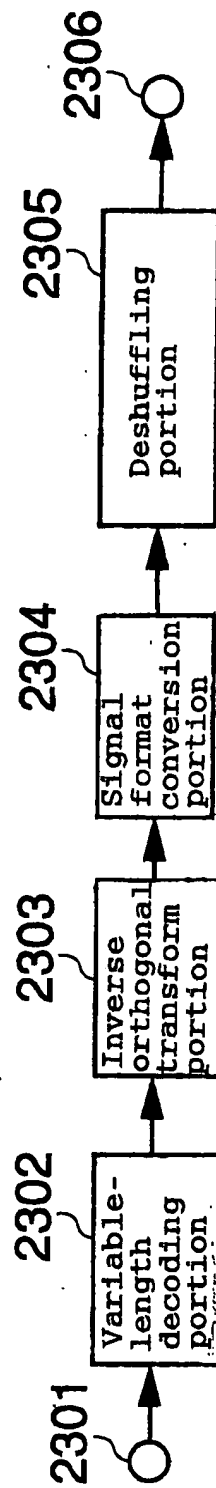
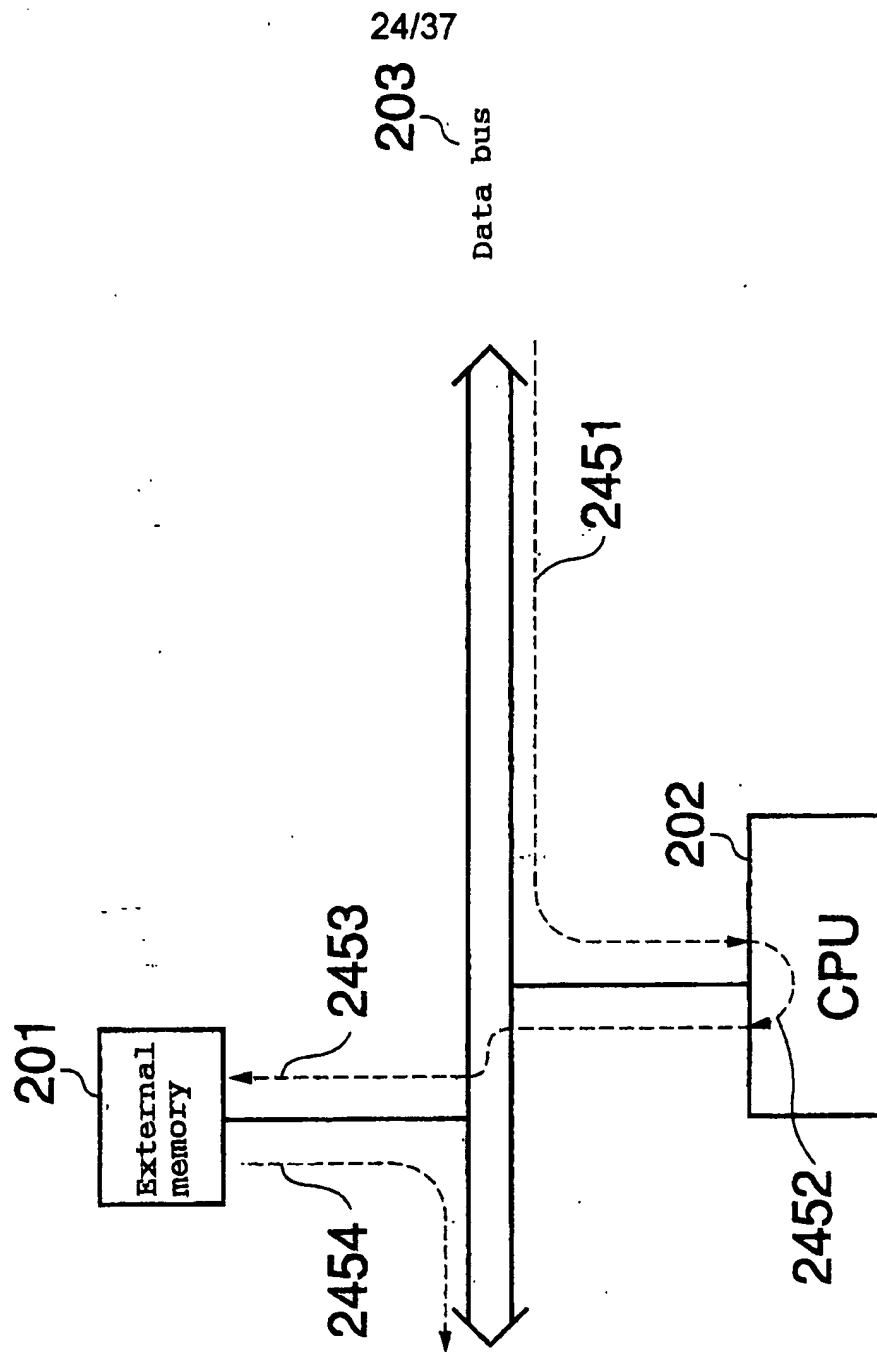


Fig. 24



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203

Data bus

2451

202

CPU

2452

2453

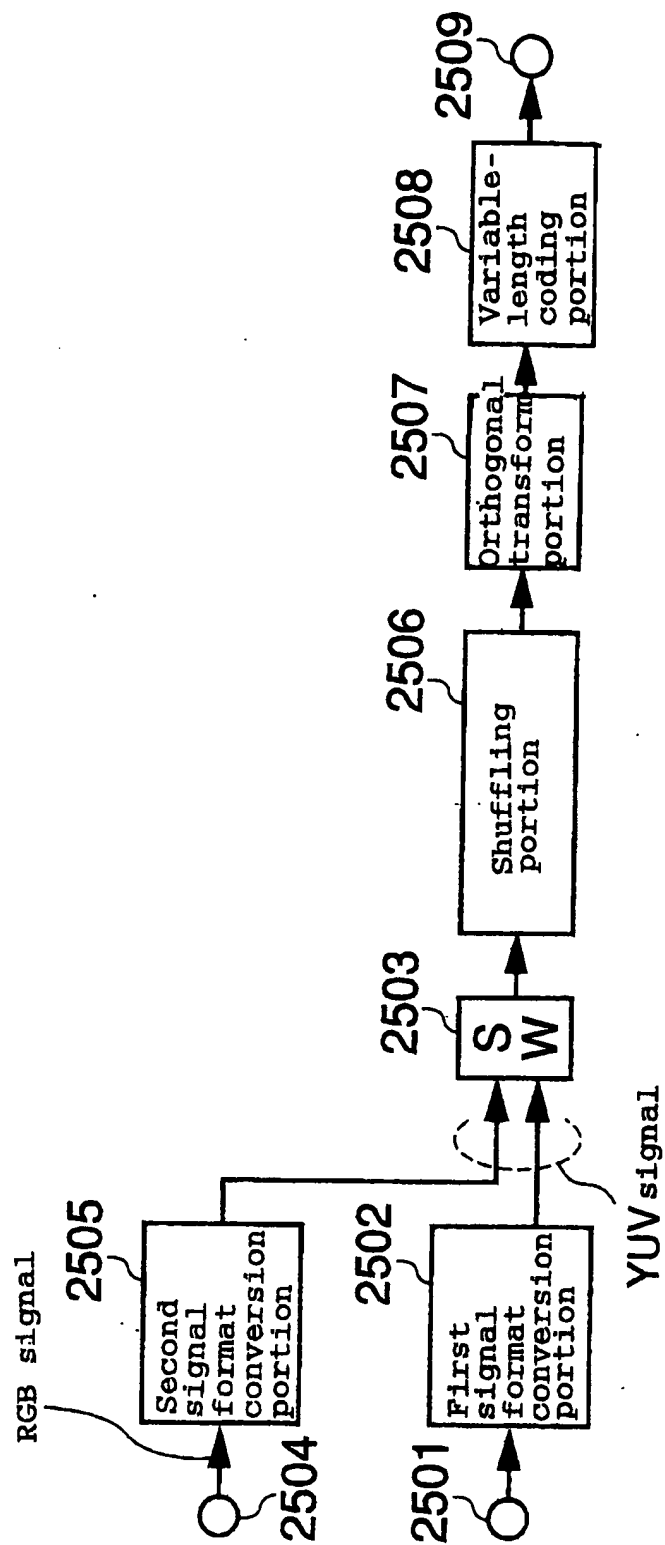
2454

201

External
memory

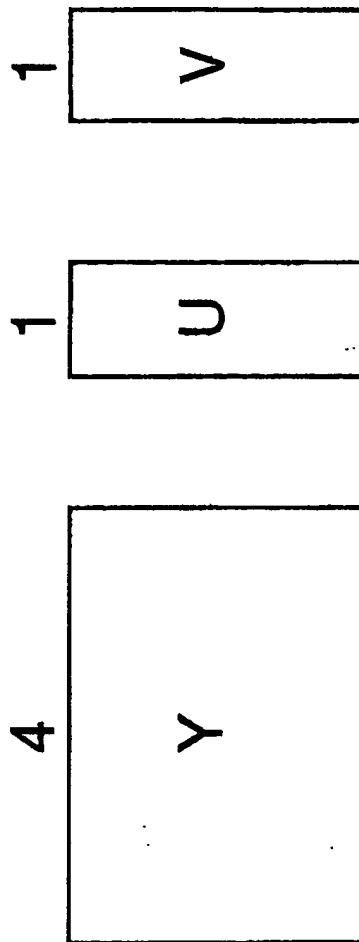
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F i g . 2 5



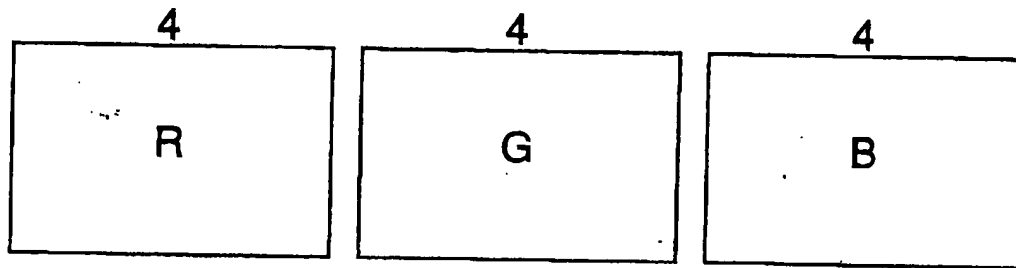
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F i g . 2 6

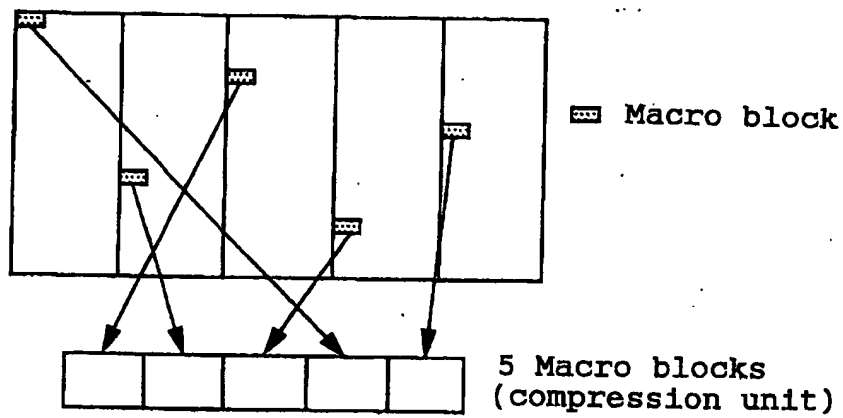


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F i g . 2 7



F i g . 2 8



Code length		Code length		Code length	
(Zero run, value)	Code	(Zero run, value)	Code	(Zero run, value)	Code
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0	010s	3+1	12	1	11100001s
0	0110	4	13	1	11100001s
1	0111s		14	1	11100010s
0	1000s	4+1	5	2	11100100s
0	1001s		6	2	11100101s
2	10100s		3	3	11100110s
1	10101s		4	3	11100111s
0	10110s	5+1	2	4	11101000s
0	10111s		2	5	11101001s
3	10000s		1	8	11101010s
4	10001s		0	18	11101011s
0	10010s	6+1	0	19	11101100s
0	10011s		0	20	11101101s
5	101000s		0	21	11101110s
6	101001s		0	22	11101111s
2	101010s	7+1	5	3	111100000s
1	101011s		3	4	111100001s
3	101010s		3	5	111100010s
1	101100s		2	6	111100011s
0	101101s		1	9	111100100s
0	101110s		1	10	111100101s
1	101111s		1	11	111100110s
7	11000000s		0	0	111100111
8	1100001s		1	0	111100111
9	1100010s		6	3	1111010000s
10	1100011s		4	4	1111010001s
3	1100100s		3	6	1111010010s
4	1100101s		1	12	1111010011s
2	1100110s	8+1	1	13	1111010100s
3	1100111s		1	14	1111010101s
5	1101000s		2	0	1111010110
1	1101001s		3	0	1111010111
1	1101010s		4	0	1111011011
6	1101011s		5	0	1111011111
7	1110000s				
0	1110001s				
0	1110010s				
0	1110011s				
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13	1110101s				
14	1110101s				
15	1110101s				
16	1110110s				
17	1110111s				

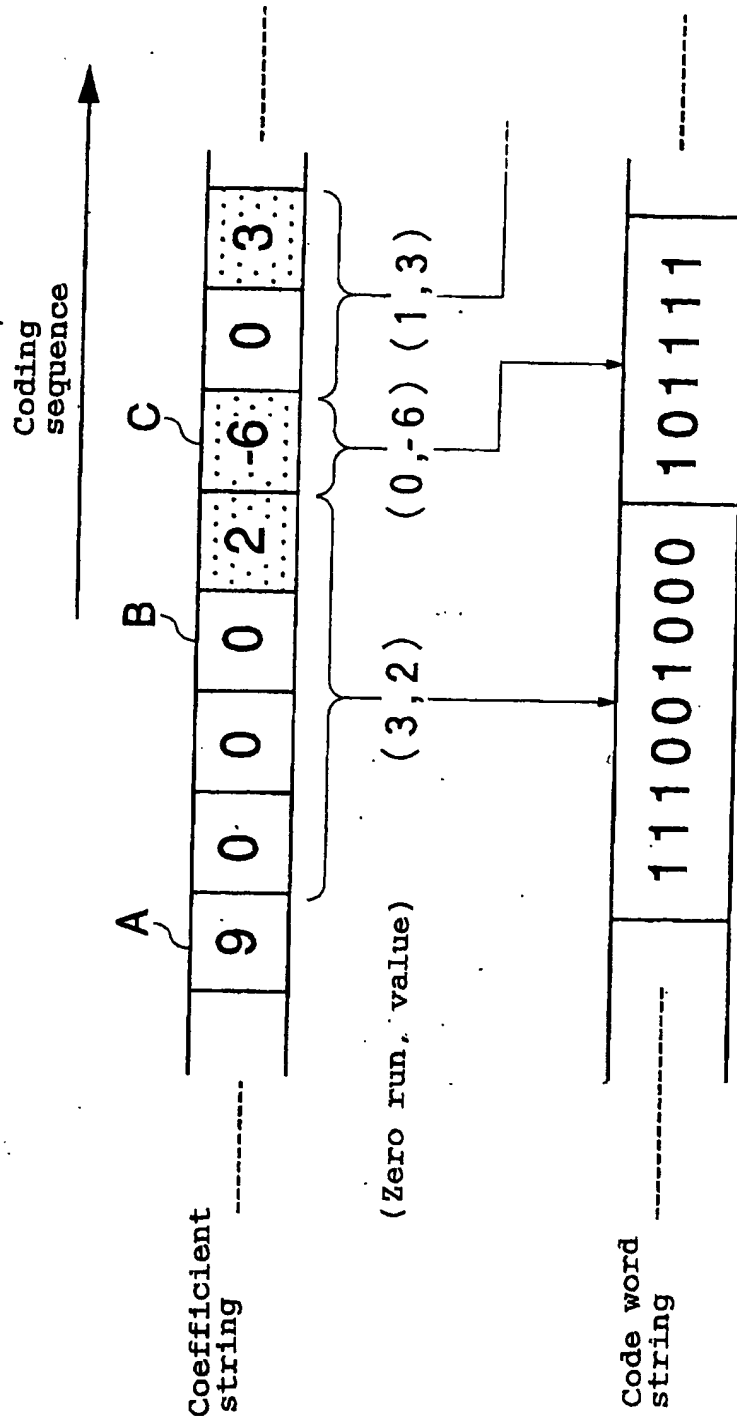
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9	111110110010s	
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7	111110110100s	
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9	111110110110s	
10	111110110111s	
7	111110111000s	
8	111110111001s	
9	111110111010s	
10	111110111011s	
7	111110111100s	
8	111110111101s	
9	111110111110s	
10	111110111111s	
6	1111110000110	
7	11111110000111	
...	...	
...	...	Binary notation of R R=6to61
...	...	
...	...	
61	11111110111101	15+1
0	111111100010111s	
0	111111100011000s	
...	...	Binary notation of A A=23to255
...	...	
...	...	
0	111111111111111s	255

Positive when $s = 0$
Negative when $s = 1$

EOB: end of code word group

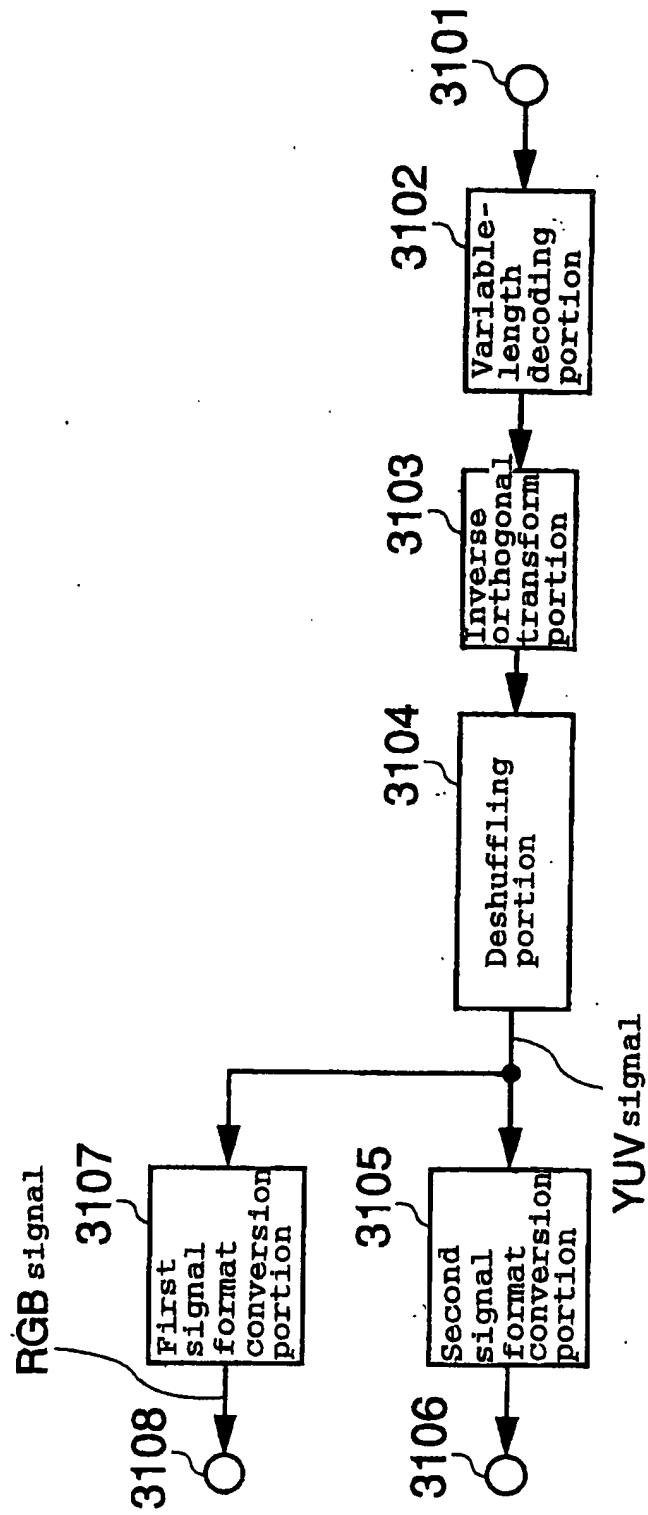
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Fig. 30



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Fig. 31



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Fig. 32

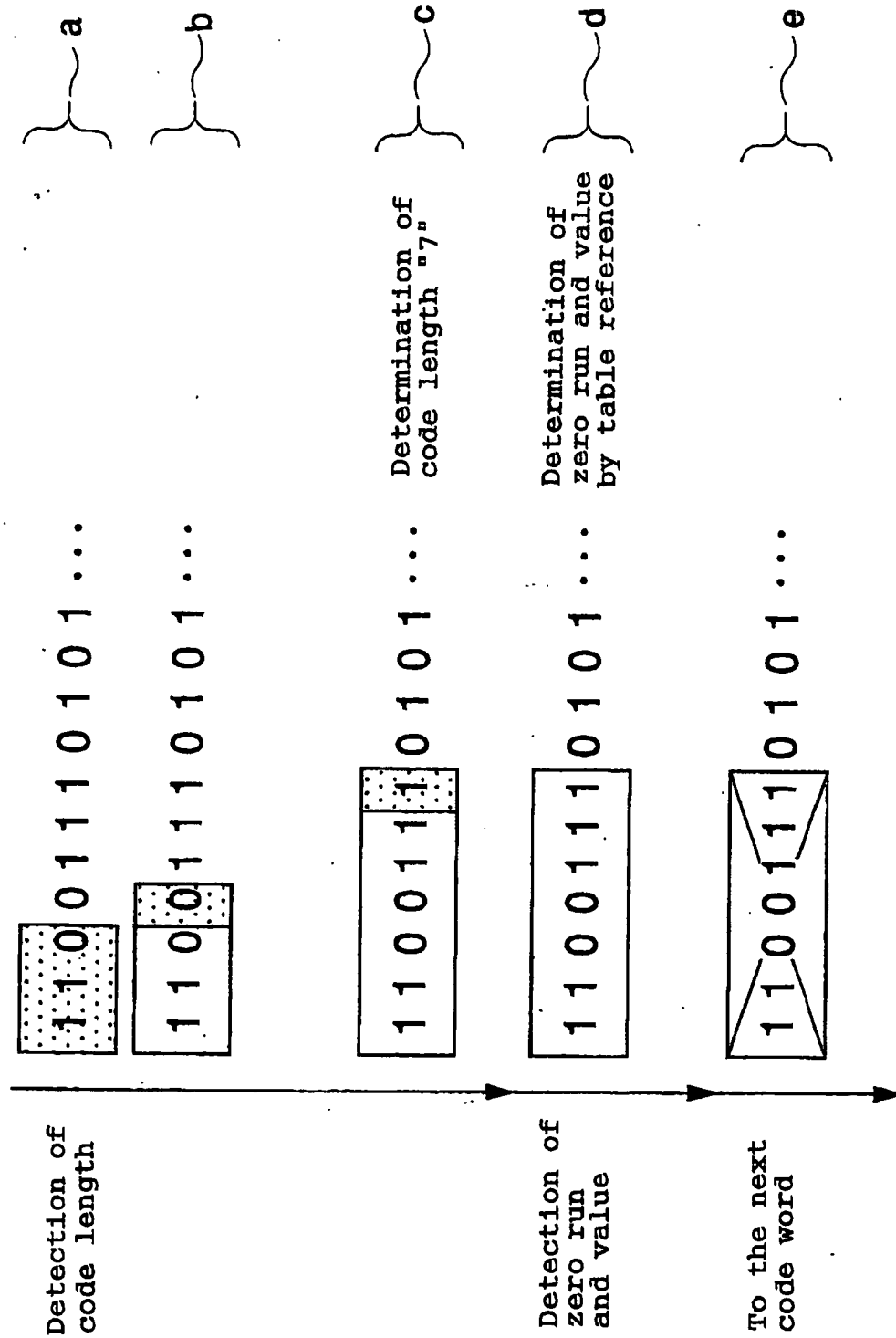
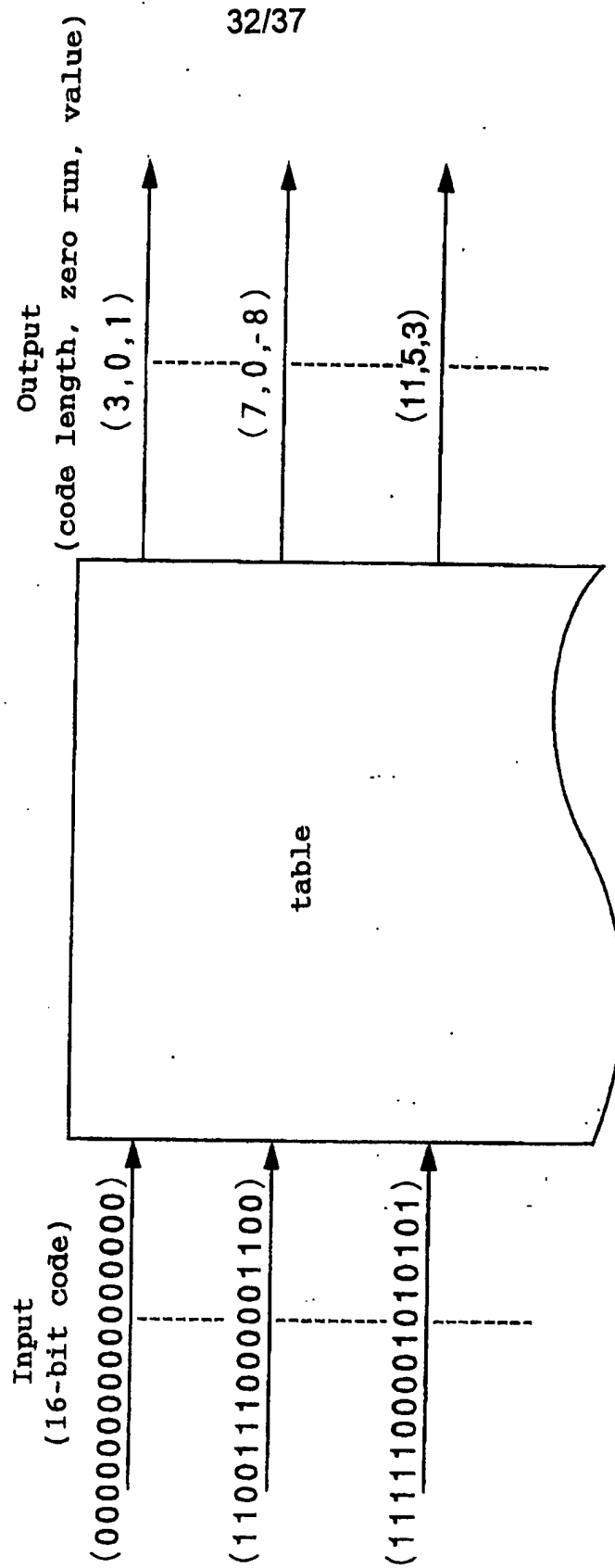


Fig. 33



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Fig. 34

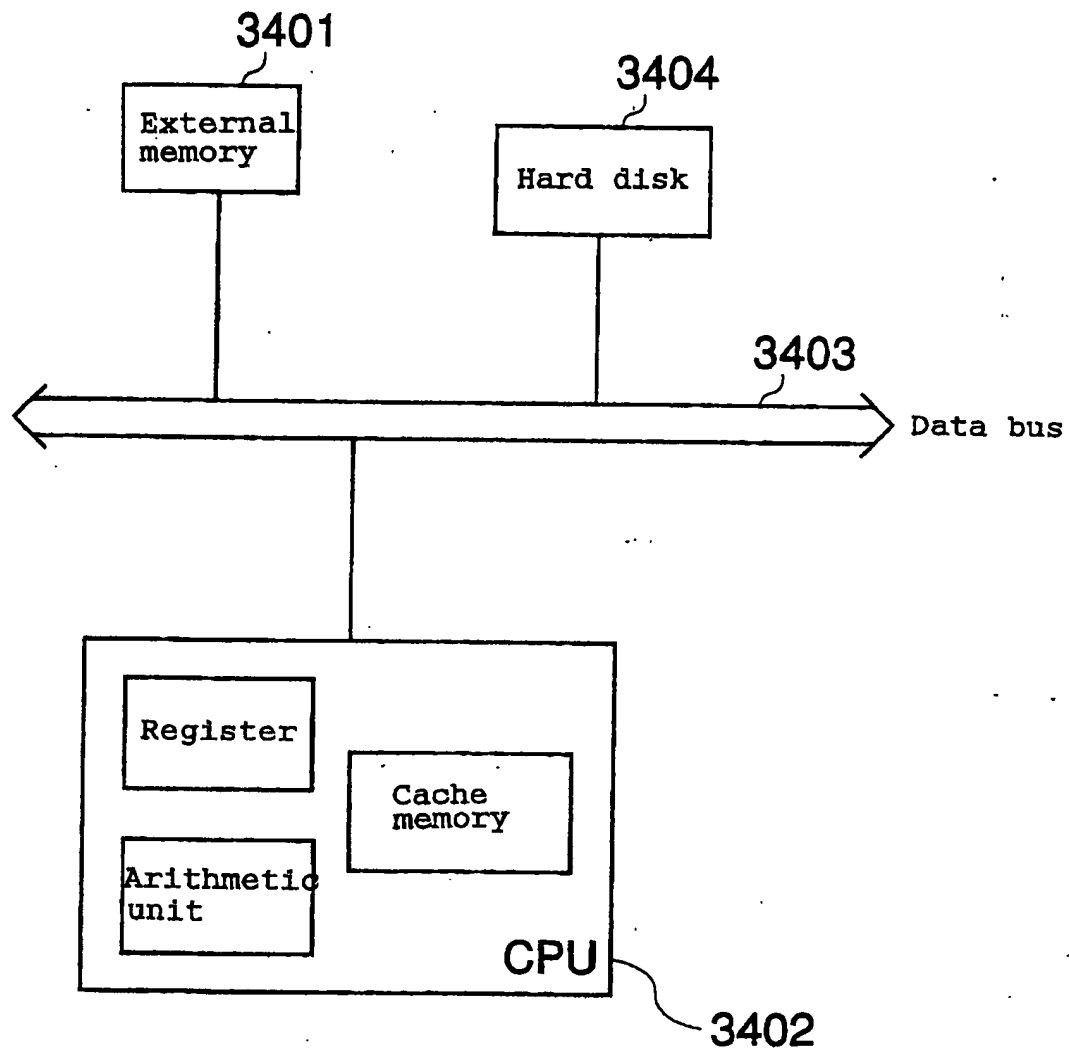


Fig. 35

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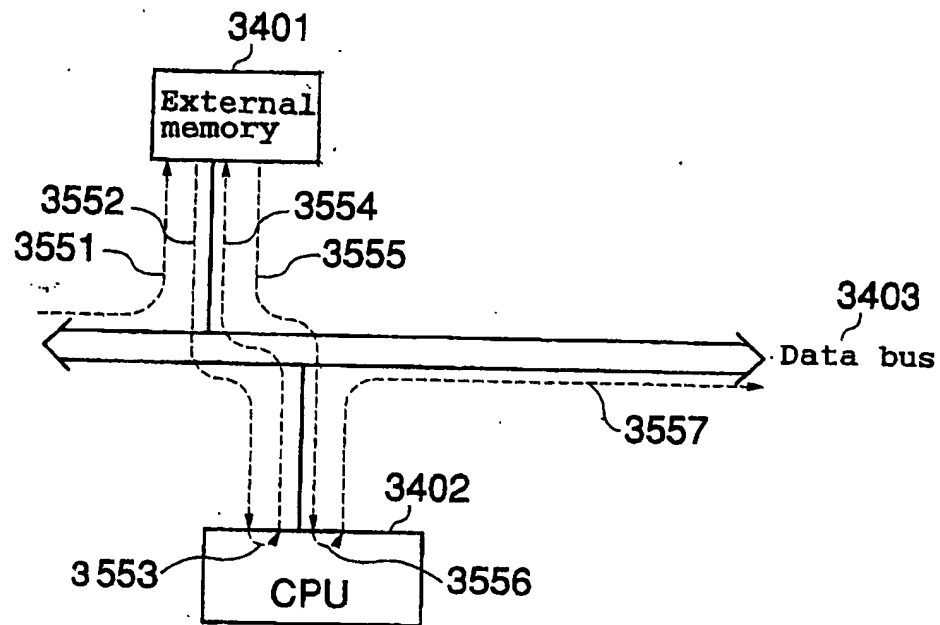
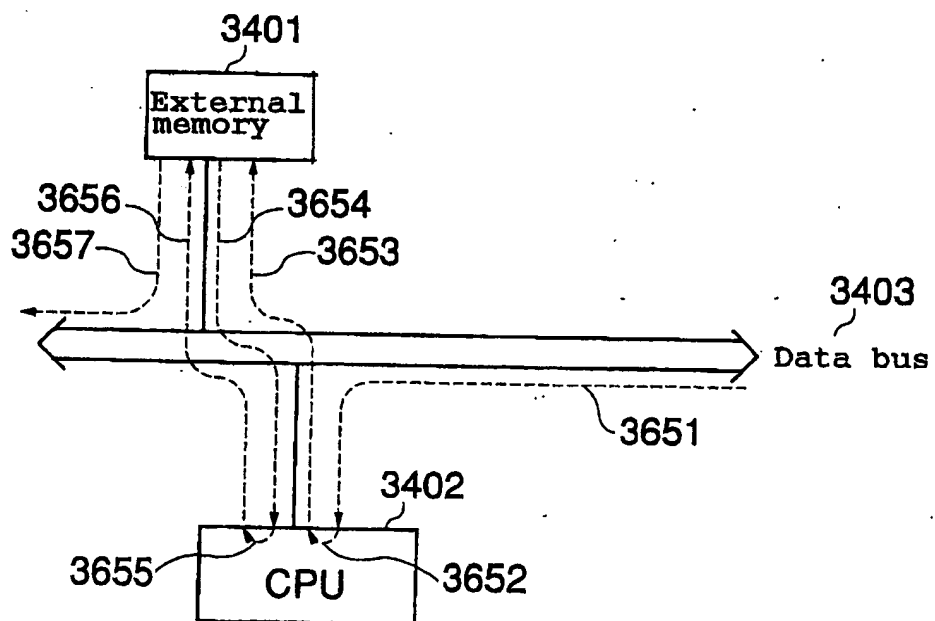
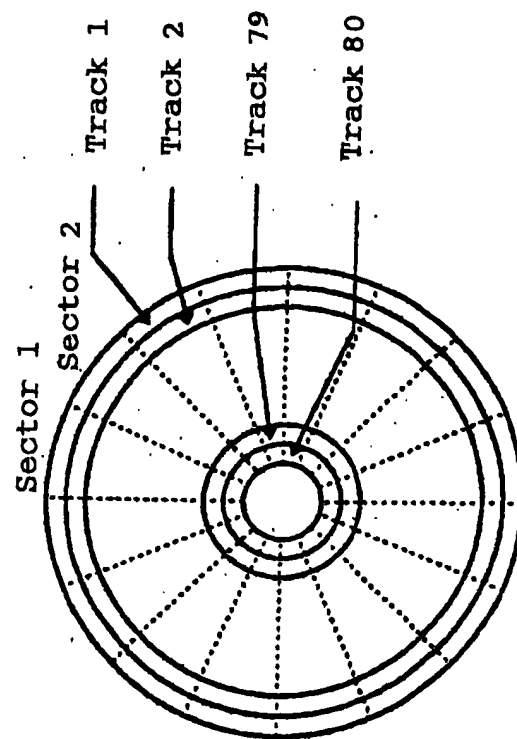


Fig. 36



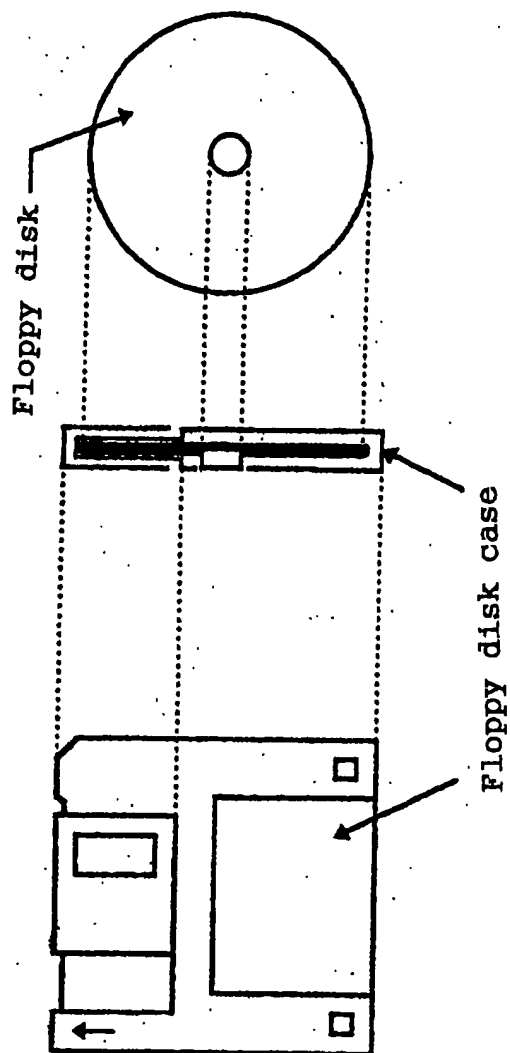
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F i g . 3 7 (a)

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F i g . 3 7 (b)



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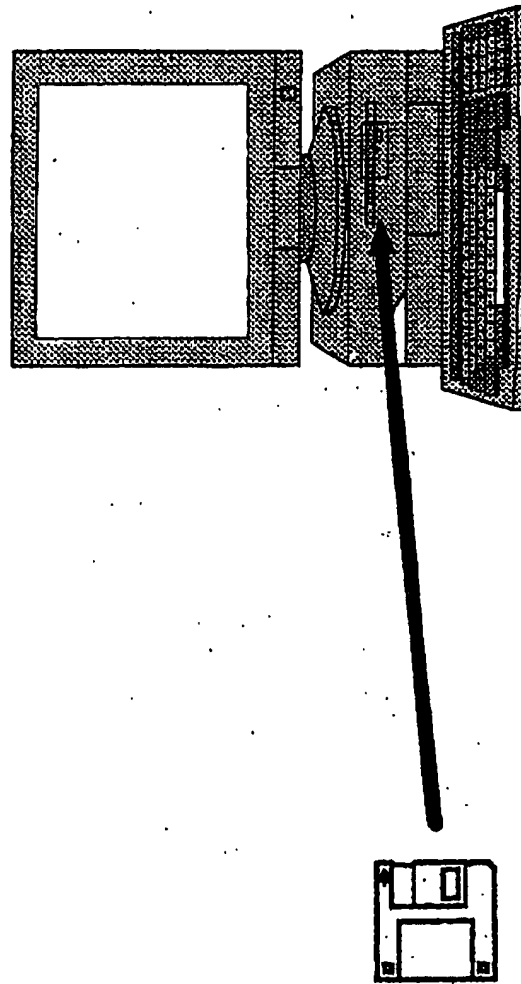


Fig. 37(c)